

CLIPPEDIMAGE= JP354116610A
PUB-NO: JP354116610A
DOCUMENT-IDENTIFIER: JP 54116610 A
TITLE: HOOK SHAPED MAGNETIC POLE GENERATOR
PUBN-DATE: September 11, 1979
INVENTOR-INFORMATION:
NAME
TAJIMA, FUMIO
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INT-CL_(IPC): H02K019/22; H02K001/22 ; H02K003/46
US-CL-CURRENT: 310/43,310/44 ,310/263

ABSTRACT:

PURPOSE: To reduce magnetic flux leaked between magnetic poles with an adhesive containing hard magnetic material filled between the poles and a space formed by the pole and a field coil to fasten thereof.

CONSTITUTION: A thermosetting adhesive 15 containing powdered ferrite or the like is filled into a space 13 between hook-shaped magnetic poles 4 forming a main magnetic circuit of leaked magnetic flux and a space 14 formed by the poles and a field coil 5 and solidified by heating. In the hard magnetic material power, magnetism is generated by flowing current through the field coil 5 in the opposite direction of the normal field current. With such an arrangement, the magnetic material is magnetized in the direction as indicated by H1 and H2. This works so as to offset the leaked magnetic fluxes ϕ_{11} and ϕ_{12} whereby the leakage thereof can be reduced.

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IPCO:
H02K019/22

CLIPPEDIMAGE= JP403265450A
PUB-NO: JP403265450A
DOCUMENT-IDENTIFIER: JP 03265450 A
TITLE: ROTOR FOR AUTOMOTIVE AC GENERATOR
PUBN-DATE: November 26, 1991
INVENTOR-INFORMATION:
NAME
HOTTA, TOSHIAKI
INT-CL_(IPC): H02K019/22; H02K001/27

US-CL-CURRENT: 310/159,310/263

ABSTRACT:

PURPOSE: To reduce pawl sound and wind sound of a pole core and to decrease noise by burying a nonmagnetic ring and a permanent magnet between pawls of the core to form the same outer diameter as that of the pawl.

CONSTITUTION: A plurality of pawls 12, 22 to become pawl-like poles are formed on pole cores 11, 21, respectively. A nonmagnetic ring 31 is brought at its side 32 into contact with the sides 13, 23 of the pawls 12, 22 of the cores 11, 21, at its bottom 33 into contact with the inside faces 14, 24 of the pawls 12, 22, and buried at its outer periphery 34 between the opposed pawls 12 and 22 and formed in the same outer periphery as those of the pawls 12, 22. A permanent magnet 41 is arranged at a gap to a field coil 45 on the inside face 35 of the outer periphery 34 of the ring 31. The magnet 41 is so magnetized in a direction as to prevent a leakage magnetic flux between the poles of the pawls 12, 22 of the cores 11, 21. Thus, an output current relative to the rotating speed can be increased.

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